

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: M99388
Date Received: 07/29/06
Date Extracted: 08/03/06
Date Analyzed: 08/03/06
Matrix: Water
Units: ug/L (ppb)

Client: Alaskan Copper Works
Project: PO# M99388, F&BI 607255
Lab ID: 607255-01 10x
Data File: 607255-01 10x.036
Instrument: ICPMS1
Operator: btb

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	83	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	337
Nickel	272
Copper	238
Zinc	42.3

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Alaskan Copper Works
Date Received:	Not Applicable	Project:	PO# M99388, F&BI 607255
Date Extracted:	08/03/06	Lab ID:	I6-323 mb
Date Analyzed:	08/03/06	Data File:	I6-323 mb.013
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	btb

Internal Standard:	% Recovery:	Lower	Upper
Germanium	92	Limit:	Limit:
		60	125

Analyte:	Concentration
	ug/L (ppb)
Chromium	<1
Nickel	<1
Copper	<1
Zinc	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/07/06

Date Received: 07/27/06

Project: Metro Self Monitor, PO# M99388, F&BI 607255

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR METALS BY EPA METHOD 200.8

Laboratory Code: 608002-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	ug/L (ppb)	6.77	6.39	6	0-20
Nickel	ug/L (ppb)	1.22	1.07	13	0-20
Copper	ug/L (ppb)	<1	<1	nm	0-20
Zinc	ug/L (ppb)	<1	<1	nm	0-20

Laboratory Code: 608002-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Chromium	ug/L (ppb)	20	6.77	89 b	50-150
Nickel	ug/L (ppb)	20	1.22	88	50-150
Copper	ug/L (ppb)	20	<1	87	50-150
Zinc	ug/L (ppb)	50	<1	83	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	ug/L (ppb)	20	91	70-130
Nickel	ug/L (ppb)	20	89	70-130
Copper	ug/L (ppb)	20	91	70-130
Zinc	ug/L (ppb)	50	90	70-130

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
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3012 16th Avenue West
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e-mail: fbi@isomedia.com

August 7, 2006

DUPLICATE COPY

INVOICE # 06ACU0807-1

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M99388, F&BI 607255 - Results of testing
requested by Gerry Thompson for material submitted on July 27, 2006.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc
by Method 200.8 @ \$80 per sample

\$ 80.00

Amount Due

\$ 80.00

FEDERAL TAX ID #(b) (6)

607255

SAMPLE CHAIN OF CUSTODY

ME 07/27/06

AI 4

Send Report To

Company Alaska Copper worksAddress 628 S. Alameda StCity, State, ZIP Seattle WA 98025Phone # 206-382-8345 Fax # 206-382-4309

SAMPLERS (signature)

PROJECT NAME/NO.

metro self monitor

PO #

m 99388

REMARKS

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TURNAROUND TIME

☐ Standard (2 Weeks)☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes			
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS								
m 99388	01	7/27/06	1:30	Geo	1														

Friedman & Bruya, Inc.
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Relinquished by:

Received by:

Relinquished by:

Received by:

G. ThompsonNhan PhanACWFeBI7/27/067/27/062:35pm2:35

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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August 7, 2006

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on July 27, 2006 from the Metro Self Monitor, PO# M99388, F&BI 607255 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
ACU0807R